

COURSE NAME: Software Project Management (SWE321)

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Lab 3

Epic:

- Epics represent either topics or overriding goals, which are then broken down into Stories and Tasks.
- Stories and Tasks belonging to the same epic are sometimes linked/Co-dependent.

Stories:

- Tasks can be part of Stories, which means that Stories can be seen as the overriding task, sometimes called **User Story**.
- A story can be assigned to the project lead.

Tasks:

- They could be planned alone or as a component of a larger project.
- It is possible to divide tasks into smaller ones.

Importance of user stories in Jira:

- **Stories keep the focus on the user:** A to-do list keeps the team focused on tasks that need to be checked off, but a collection of stories keeps the team focused on solving problems for real users.
- **Stories enable collaboration:** With the end goal defined, the team can work together to decide how best to serve the user and meet that goal.
- **Stories drive creative solutions:** Stories encourage the team to think critically and creatively about how to best solve for an end goal.
- **Stories create momentum:** With each passing story, the development team enjoys a small challenge and a small win, driving momentum.

Why are user stories so important in Agile ?

- As agile is user-centered, it places a high priority on knowing and satisfying end users' needs at every stage of the development process.
- This strategy raises the possibility of producing a product that not only satisfies technical requirements but also fits user expectations and provides value for the clients.

How to write a good user story?

A user story should be written in a specific format :

As a <Role> , **i want to** <action/ objective> , **so that** <need/ motivation>

To write a good user story, you should follow the “ **INVEST** ” criteria in writing user stories, your story should be:

1. **Independent:** can be developed and tested in any order without relying on the completion of other stories. This promotes flexibility in prioritization and allows for parallel development.
2. **Negotiable:** The details of a user story should be open to negotiation between the development team and the customer. This flexibility allows for adjustments based on changing priorities, feedback, or a better understanding of the requirements.
3. **Valuable:** should add value to the end-user or customer.
4. **Estimable:** It should be possible to estimate the effort required to implement a user story. Development teams should have a reasonably clear understanding of the scope and complexity of the story, making it easier to plan and prioritize work.
5. **Small:** User stories should be small enough to be completed within a single iteration or sprint.
6. **Testable:** User stories must be testable, meaning there should be clear criteria for determining when the story is successfully implemented

An example of a good user story :

1. **Title:** "As an online shopper, I want to view my order history so that I can track my past purchases."
Acceptance Criteria:
2. **Independent:** This story can be developed and tested without relying on other user stories. It focuses solely on the order history functionality.
3. **Negotiable:** The team can discuss and refine details, such as the display format and sorting options, based on user needs and feedback.
4. **Valuable:** Viewing order history provides clear value to the user by offering a convenient way to track and review past purchases.
5. **Estimable:** The team can estimate effort based on the scope, including integrating with the database to retrieve and display order history.
6. **Small:** The story is focused on a specific task – viewing order history – making it small enough to be completed within a single sprint.
7. **Testable:** Success criteria are clear; the team can test that users can access and view their order history accurately.

What is a sprint

A sprint is a short, time-boxed period when a scrum team works to complete a set amount of work.

How to make a sprint in Jira

- 1) Open your project backlog to create a new sprint :

[Projects / 1st Project](#)

Backlog

BK

Epic

▼

SCRUM Sprint 2

3 May – 17 May

(0 issues)


0

0

0

Start sprint

...



Plan your sprint

Drag issues from the **Backlog** section, or create new issues, to plan the work for this sprint. Select **Start sprint** when you're ready.

+ Create issue

0 issues

Estimate: 0

▼

Backlog

(1 issue)

0

0

0

Create sprint

SCRUM-5 as an admin, i need to be able to display all clients so that i can remove any of them

TO DO

2) Add issues to the sprint (not too much) then start it:

Projects / 1st Project

Backlog

BK

Epic

Label

Type

SCRUM Sprint 1

Add dates

(3 issues)

3

0

0

Start sprint

<input checked="" type="checkbox"/>	SCRUM-2 create ui	CREATE REGIS...	TO DO	3	
<input type="checkbox"/>	SCRUM-3 as a customer, i want to login to my account so that i can make new purchases		TO DO		
<input type="checkbox"/>	SCRUM-4 as an admin , i want to display all successful purchases so that i can track the inco...		TO DO		

+ Create issue

3) Specify the goal of this sprint so all the team members can be on the same track:

Start Sprint

3 issues will be included in this sprint.

Required fields are marked with an asterisk *

Sprint name*

SCRUM Sprint 1

Duration*

2 weeks

4) Now, you can track the project progress in the “board “ section:

Projects / 1st Project

SCRUM Sprint 1

mange purchases

🕒 9 days remaining | ⚡ ☆ 🔗

🔍 BK 👤 + Epic ▾ Label ▾ Type ▾ G

TO DO 3

create ui ✎ ...

CREATE REGISERATION PAGE UI

✓ SCRUM-2 3 👤

as a customer, i want to login to my account so that i can make new purchases

SCRUM-3 👤

as an admin , i want to display all successful purchases so that i can track the income

SCRUM-4 👤

IN PROGRESS

DONE ✓